

**What is claimed is:**

- 1) A method for providing a user with information on the Internet, in an environment having a user web browser, one or more information providing web sites, and a wrapper server for controlling providing of an information the user wants from the information providing web sites to the user, comprising the steps of:
  - 10 (a) receiving an information search request of the user and extracting wrappers regarding the user who makes the request from a database in which a plurality of wrappers are stored;
  - 15 (b) transferring the wrappers regarding the user who makes the request, a web robot, and a wrapper interpreter capable of interpreting the wrappers and outputting an outcome to the user web browser;
  - 20 (c) collecting the information the user wants from the information providing web sites by using the web robot in the user web browser; and
  - 25 (d) making the collection information an outcome of a processed form and

providing the outcome to the user by using the wrappers and the wrapper interpreter.

- 5 2) The method as claimed in claim 1, wherein, in case that the user has inputted information providing web sites the user wants to search and information on the information providing web sites the user wants does not exist in the  
10 wrappers in the receiving steps, the receiving step further comprising the steps of:  
(a) updating the wrappers with respect to the information providing web sites in which the information does not exist;  
15 and  
(b) storing the updated wrappers in the wrapper database.
- 3) The method as claimed in claim 1, wherein the  
20 information provided to the user is in a form of digital contents.
- 4) The method as claimed in claim 2, wherein the  
25 information provided to the user is in a form of digital contents.

- 5) The method as claimed in claim 1, wherein the web robot and the wrapper interpreter programs of java Applet forms.
- 5 6) The method as claimed in claim 2, wherein the web robot and the wrapper interpretation unit are programs of java Applet forms.
- 7) An information extraction agent system including a wrapper server having a storage device and a processor connected to the storage device, and for searching and providing an information a user wants on the Internet, the storage device comprising:
- 10 (a) a request receiver for receiving an information search request of the user and extracting a set of wrappers regarding the user who makes the request from a database in which the wrappers are stored;
- 15 (b) a transferor for transferring the wrappers regarding the user who makes the request, a web robot, and a wrapper interpreter capable of interpreting the wrappers and outputting an outcome to a user web
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browser;

(c) an information collector for collecting the information the user wants from the information providing web sites by using the web robot in the user web browser; and

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(d) an outcome generator for making the collected information an outcome of a processed form and providing the outcome to the user by using the wrappers and the wrapper interpreter.

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8) The information extraction agent system as claimed in claim 7, wherein, in case that the user has inputted information providing web sites the user wants to search and information on the information providing web sites the user wants does not exist in the wrappers regarding the user as the user requests the information search, the storage device further comprising:

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(a) a wrapper generator for updating the wrappers with respect to the information providing web sites in which the information does not exist.

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(b) a wrapper keeper for storing the

updated wrappers in the wrapper  
database.

- 9) The information extraction agent system as  
5 claimed in claim 7, wherein the information  
provided to the user is in a form of digital  
contents.
- 10) The information extraction agent system as  
10 claimed in claim 8, wherein the information  
provided to the user is in a form of digital  
contents.
- 11) The information extraction agent system as  
15 claimed in claim 7, wherein the web robot and  
the means capable of interpreting the wrappers  
and outputting the outcome are programs of java  
Applet forms.
- 20 12) The information extraction agent system as  
claimed in claim 8, wherein the web robot and  
the wrapper interpreter capable of interpreting  
the wrappers and outputting the outcome are  
programs of java Applet forms.